

I. **AMENDMENTS TO THE SPECIFICATION:**

Kindly amend the Substitute Specification filed on January 14, 2009 as follows:

1. Kindly replace Table 13 on page 69 with the following new Table 13 as follows:

[Table 13]

Copper Alloy	Type	Average Grain Diameter (μm)	Machinability			Tensile Strength (N/mm^2)	Yield Strength (N/mm^2)	Elongation (%)	Fatigue Strength (N/mm^2)
			Cutting type	Cutting main stress (N/min)	160m/min				
1	A	85							
2	A	40							
3	A	25	◎	○		532	245	44	253
4	A	15	◎	○		535	268	45	258
5	A	25	◎	○		523	256	44	254
6	A	30	◎	○					
7	A	55				492	219	42	
8	A	90							
9	A	40				498	236	30	
10	A	25	◎	○					
11	A	20							
12	A	65							
13	A	80							
14	A	45	○	△	122	133			
15	A	65				485	206	39	
16	A	70							
17	A	30							
18	A	20	◎	○	115	127			
19	A	20	◎	○	111	118			
20	A	20	◎	○	110	118			
21	A	20	◎	○	110	117			
22	A	20	◎	○	109	116			
23	A	20	◎	○	108	114	530	266	43
									254

2. Kindly replace Table 14 on page 70 with the following new Table 14 as follows:

[Table 14]

No.	Copper Alloy Type	Average Grain Diameter (μm)	Machinability		Tensile Strength (N/mm^2)	Yield Strength (N/mm^2)	Elongation (%)	Fatigue Strength (N/mm^2)
			Cutting type	Cutting main stress (N) 80m/min 160m/min				
24	A	20	◎	◎	106	112		
25	A	20	●	◎	104	109	251	38
26	A	45	○	○	115	124		
27	A	45	◎	○	114	123		
28	A	45	◎	○	111	119		
29	A	45	◎	◎	109	115		
30	A	40	○	○	114	124		
31	A	40	◎	○	110	118		
32	A	35	◎	○	113	122		
33	A	25	◎	◎	111	119		
34	A	15				528	272	40 262
35	A	20	◎	○	116	127	520	260 34
36	A	20	◎	○	117	129		
37	A	20				443	256	13
38	A	25	○	△		642	302	30 304
39	A	45						
40	A	30	○	△		554	256	33
41	A	60						
42	A	20						
43	A	20	◎	○	114	123	525	261 34 252
44	A	20	◎	◎	111	116		
45	A	15						
46	A	15				612	288	32

3. Kindly replace Table 15 on page 71 with the following new Table 15 as follows:

[Table 15]

No.	Copper Alloy Type	Average Grain Diameter (μm)	Machinability			Tensile Strength (N/mm ²)	Yield Strength (N/mm ²)	Elongation (%)	Fatigue Strength (N/mm ²)
			Cutting type	Cutting main stress (N/min)	80m/min				
47	B	15	◎	○	115	128	720	640	17
48	B	15	◎	○	116	128	735	655	15
49	B	150					698	599	14
50	B	25	○	○	119	134	705	613	19
51	B	15	◎	◎	110	117	715	632	16
52	B	15	◎	○	117	129	730	651	15
53	C	35					501	234	30
54	C	20					524	262	32
55	C	15					534	278	34
56	C	25					515	250	33
57	C	80					468	203	28
58	C	80					546	245	27
59	C	15					526	257	32
60	C	25					522	252	40
61	C	25							
62	C	15					521	250	33
63	C	15							
64	C	20					525	255	32
65	C	15							
66	C	20							
67	C	15					521	250	31
68	C	20							
69	C	70							
70	C	20							
Embodyment									

4. Kindly replace Table 16 on page 72 with the following new Table 16 as follows:

[Table 16]

Copper Alloy	Average Grain Diameter	Machinability				Tensile Strength (N/mm ²)	Yield Strength (N/mm ²)	Elongation (%)	Fatigue Strength (N/mm ²)
		Cutting type	Cutting main stress (N)	80m/min	160m/min				
No.	Type	(μm)							
71	C	30				488	235	34	
72	C	20				528	289	32	
73	C	22				523	285	33	
74	D	30				514	240	34	
75	D	20				516	254	36	
76	D	80				522	235	26	
77	D	15							
78	D	20							
79	E	25				520	256	33	
80	E	25	◎	◎	109	116	518	248	28
81	E	25	◎	◎	107	113			
82	E	25							
83	E	30	○	△					
84	E	50							
85	E	30	◎	○					
86	E	65							
87	E	55							
88	E	20	◎	○					
89	E	30	◎	○	116	124	598	276	26
90	E	30	◎	○	117	126			272
91	F	50					477	245	27
92	G	15					536	284	38

5. Kindly replace Table 17 on page 73 with the following new Table 17 as follows:

[Table 17]

No.	Copper Alloy Type	Average Grain Diameter (μm)	Machinability				Tensile Strength (N/mm^2)	Yield Strength (N/mm^2)	Elongation (%)	Fatigue Strength (N/mm^2)
			Cutting type	Cutting main stress (N/min)	80m/min	160m/min				
201	A1	1500					435	170	36	156
202	A1	600	◎	△			433	174	34	254
203	A1	220					440	188	32	176
204	A1	350	◎	△						
205	A1	100	×	xx	175	203				
206	A1	400	□	×	130	152				
207	A1	600	□	×	122	142				
208	A1	600	×	xx	173	201				
209	A1	300	xx	xx	179	212				
210	A1	400								
211	A1	1200								
212	A1	200	△	xx	135	178				
213	A1	250	xx	xx	205	226				
214	A1	500								
215	A1	1000	●	◎	99	110	296	95	25	
216	A1	1200	◎	○	110	121	282	94	21	
217	B1	450	△	△	128	147	650	558	15	
218	B1	350	○	△	126	142	684	572	6	
219	C1	300								
220	C1	1000								
221	C1	20								
222	C1	600					418	184	23	
223	C1	500					394	178	25	

6. Kindly replace Table 18 on page 74 with the following new Table 18 as follows:

[Table 18]

No.	Type	Copper Alloy	Average Grain Diameter (μm)	Machinability			Tensile Strength (N/mm ²)	Yield Strength (N/mm ²)	Elongation (%)	Fatigue Strength (N/mm ²)
				Cutting type	Cutting main stress (N)	80m/min				
224	C1	400					441	194	30	
225	D1	2000					412	166	22	
226	D1	1200					232	80	22	
227	E1	90	x	x						
228	E1	1500					426	170	24	
229	E1	800								
230	E1	200	x	xx						
231	E1	400	Δ	\square			430	174	25	
232	E1	350					438	188	26	
233	E1	350								
234	F1	2500					408	162	25	
235	G1	25	●	●	96	101	387	165	39	
236	G1	35	●	◎	102	109	398	175	36	